

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/003186 A1**

(51) International Patent Classification<sup>7</sup>: C08F 2/22, (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/SE2004/001022

(22) International Filing Date: 24 June 2004 (24.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0301940-3 1 July 2003 (01.07.2003) SE

(71) Applicant (for all designated States except US): CELANESE EMULSIONS NORDEN AB [SE/SE]; Box 30, S-284 21 Perstorp (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KARLSSON, Ola [SE/SE]; Svenshögsvägen 9, S-221 41 Lund (SE). JÖNSSON, Jan-Erik [SE/SE]; Fågelhundsvägen 20, S-226 53 Lund (SE).

(74) Agent: AWAPATENT AB; Box 5117, S-200 71 Malmö (SE).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARipo (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR PRODUCTION OF A WATERBORNE COPOLYMER DISPERSION

(57) Abstract: Disclosed is a method for production of a waterborne copolymer dispersion wherein yielded copolymer comprises monomer units derived from at least one polymerisable super hydrophobic monomer having a low water solubility. The copolymer dispersion is obtained in an emulsion polymerisation performed in an aqueous media and in the presence of at least one dendritic polymer.

WO 2005/003186 A1